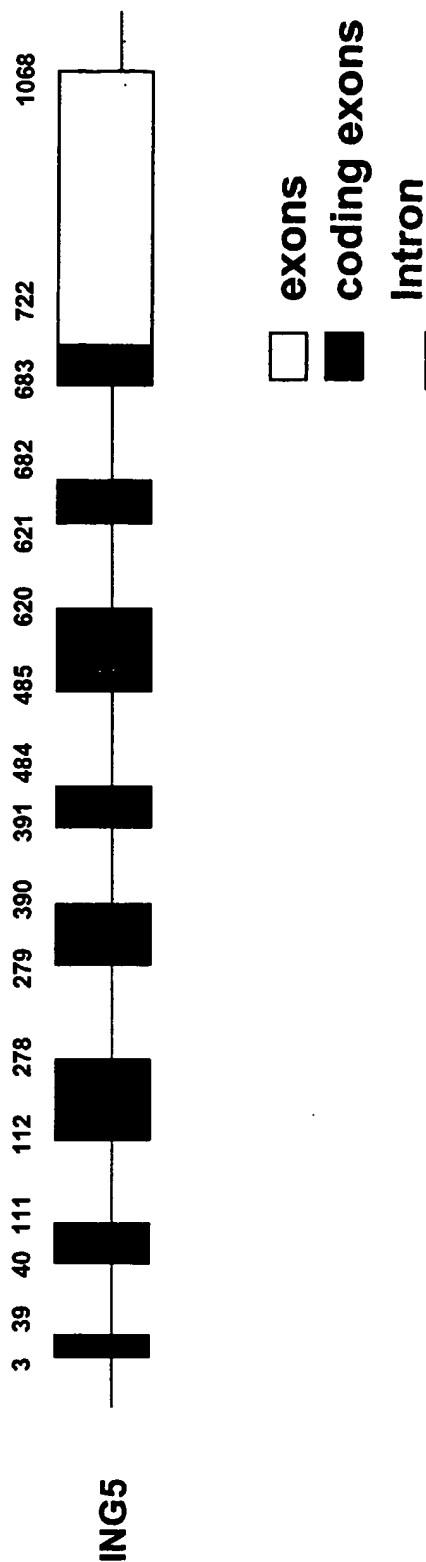
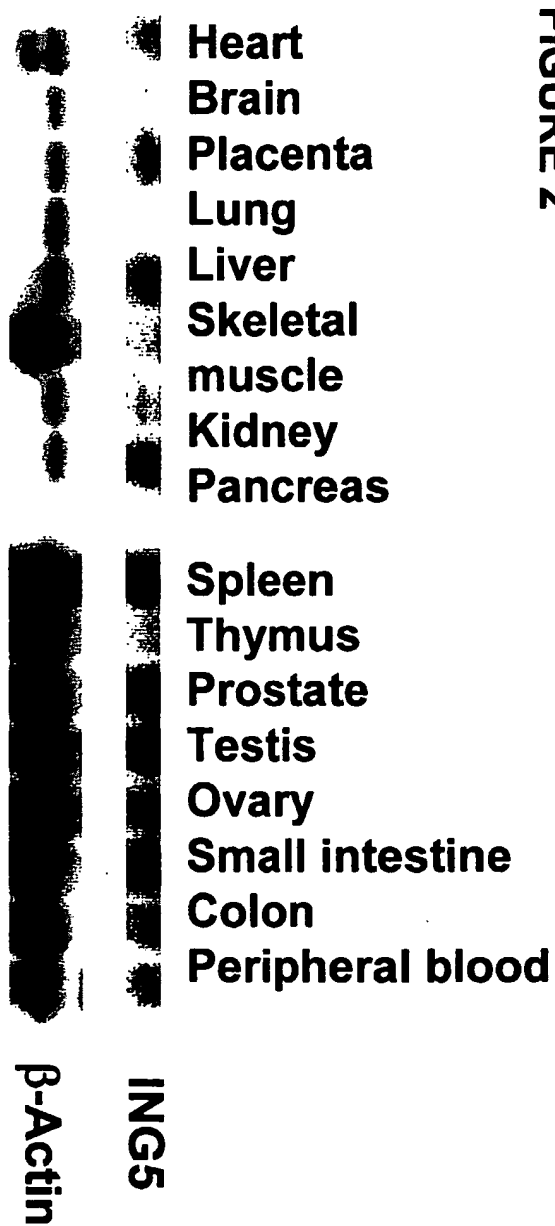


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FIGURE 1



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FIGURE 3**RKO cells transfected with**

pcDNA
pcDNA-ING3
pcDNA-ING4
pcDNA-ING5

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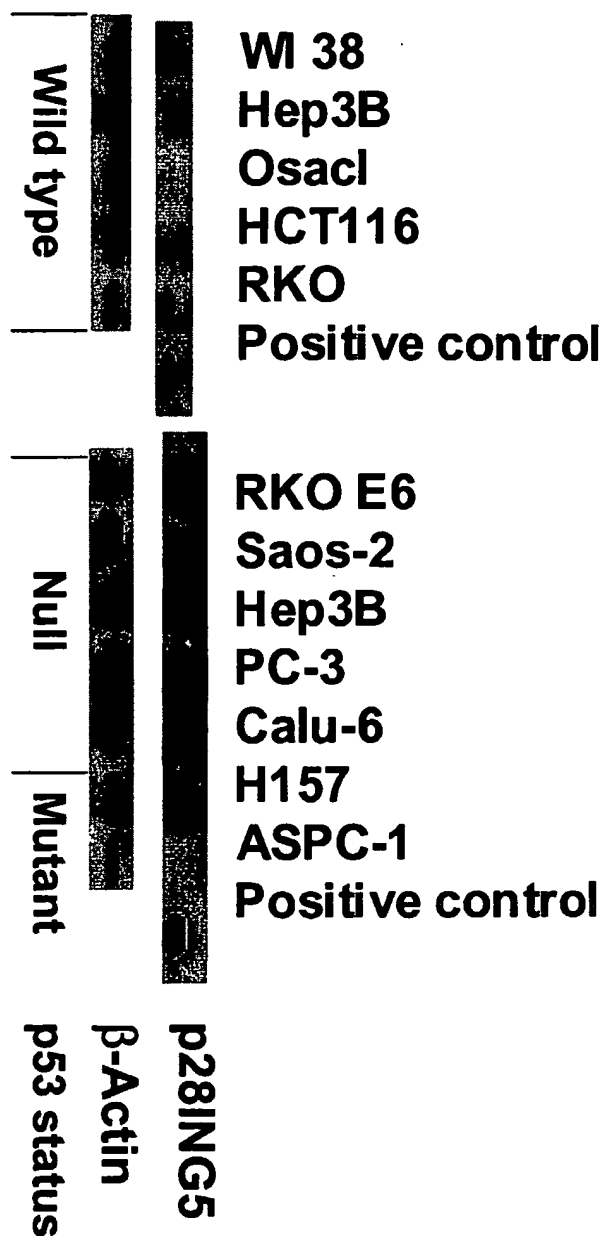
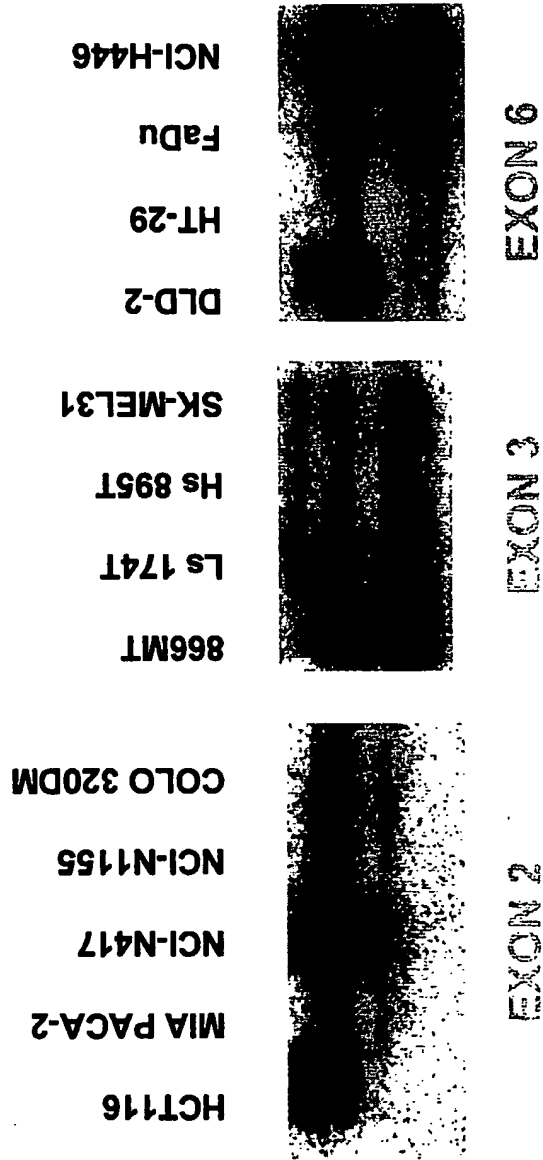


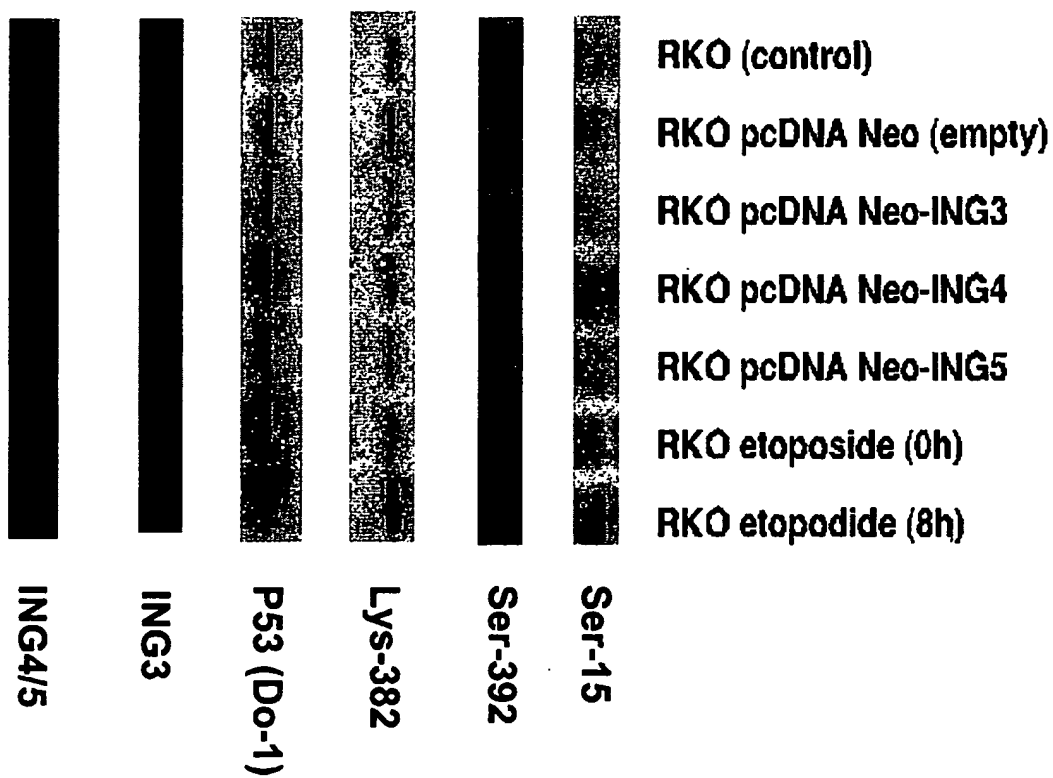
FIGURE 4

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FIGURE 5

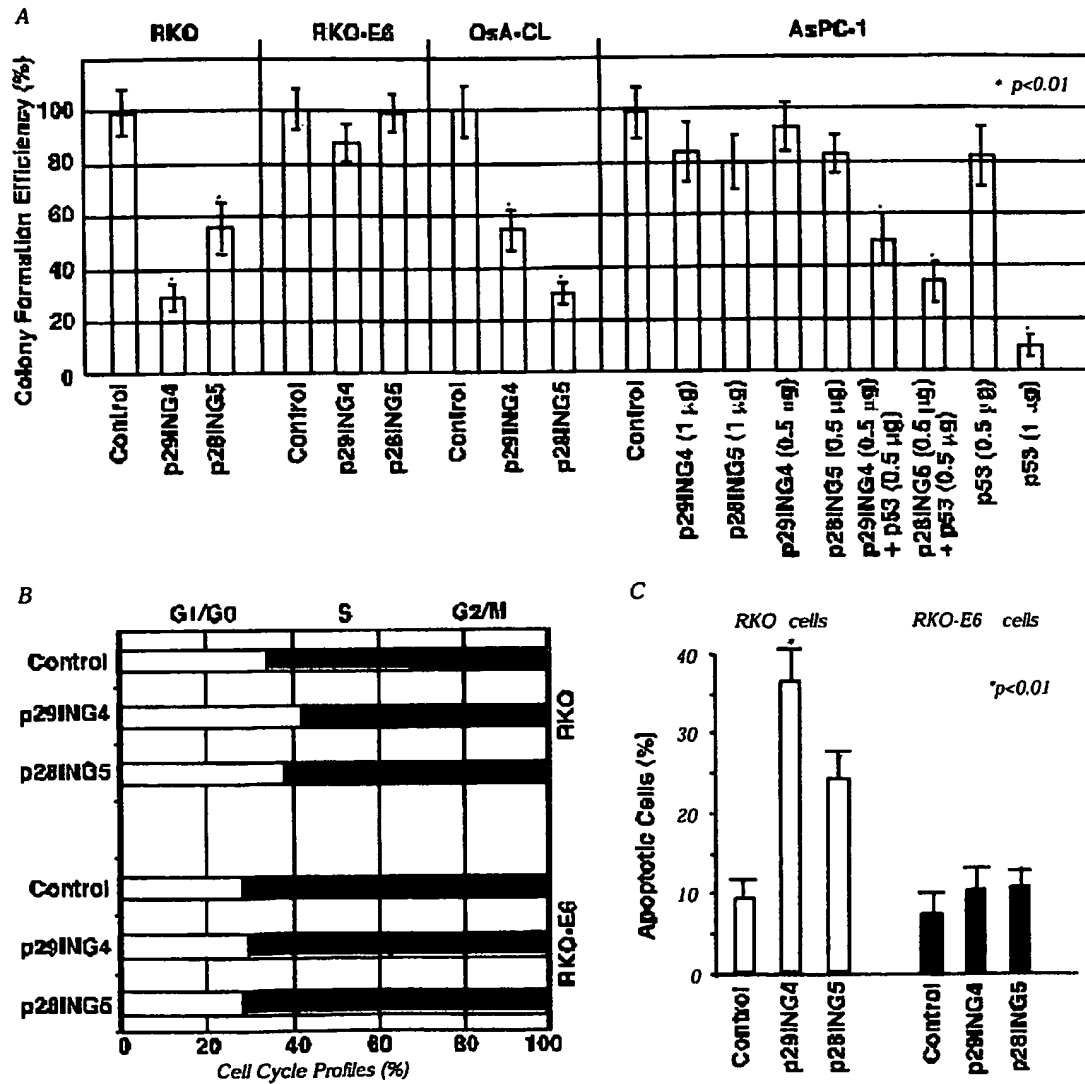


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FIGURE 6

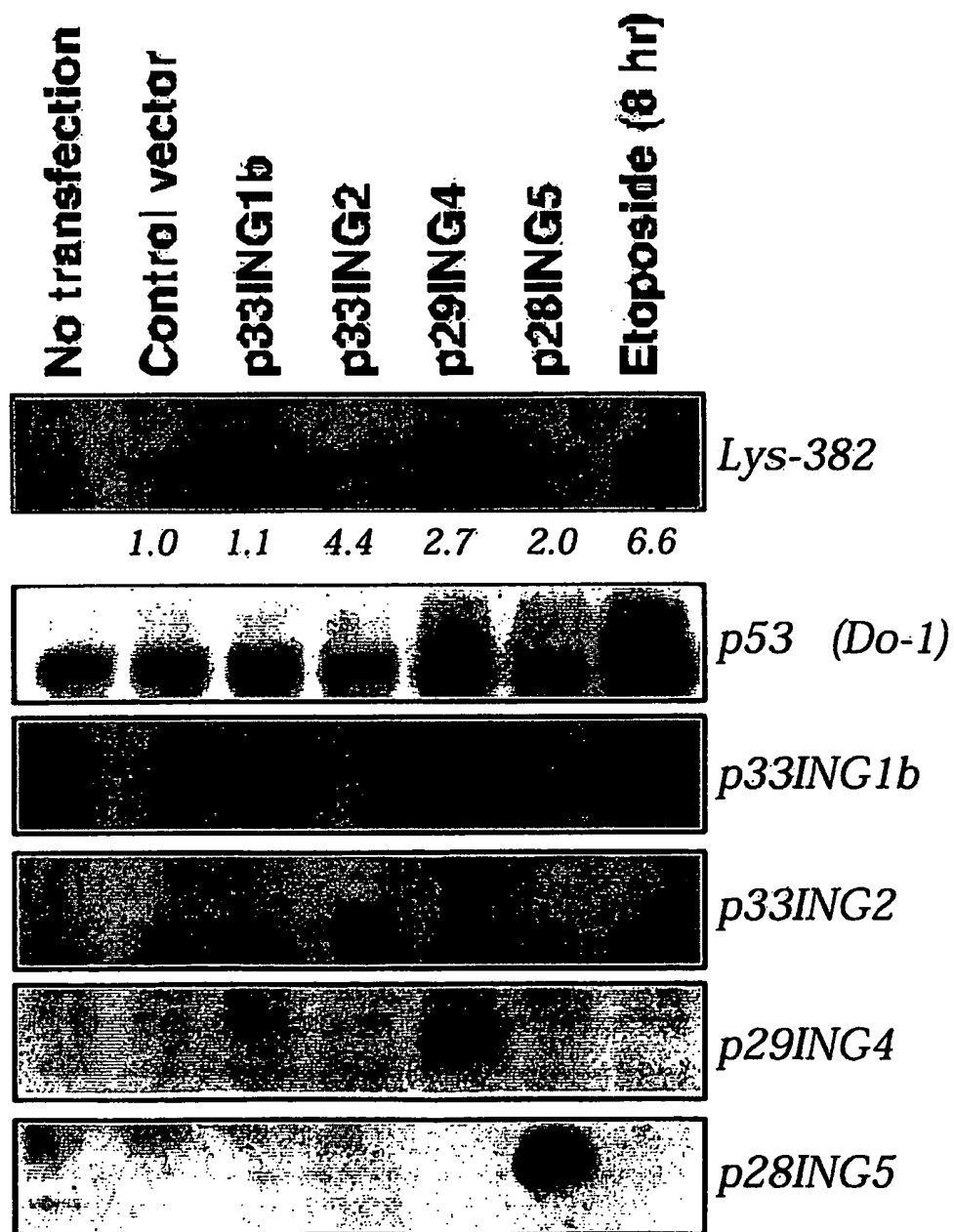
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FIG. 7



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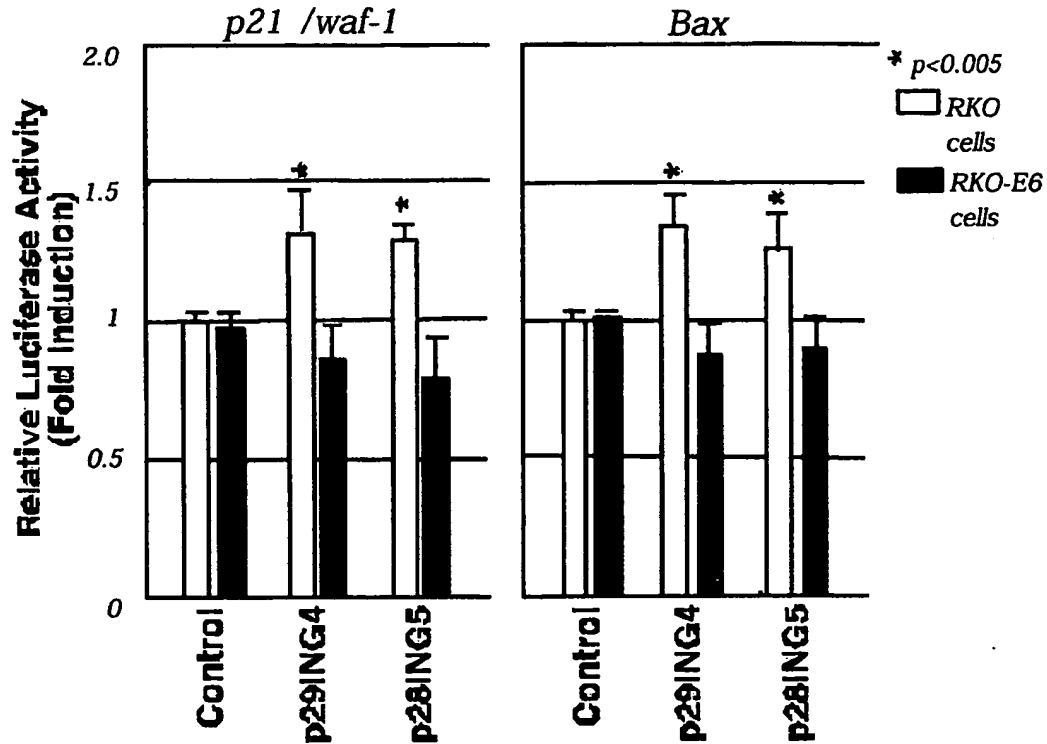
FIG. 8



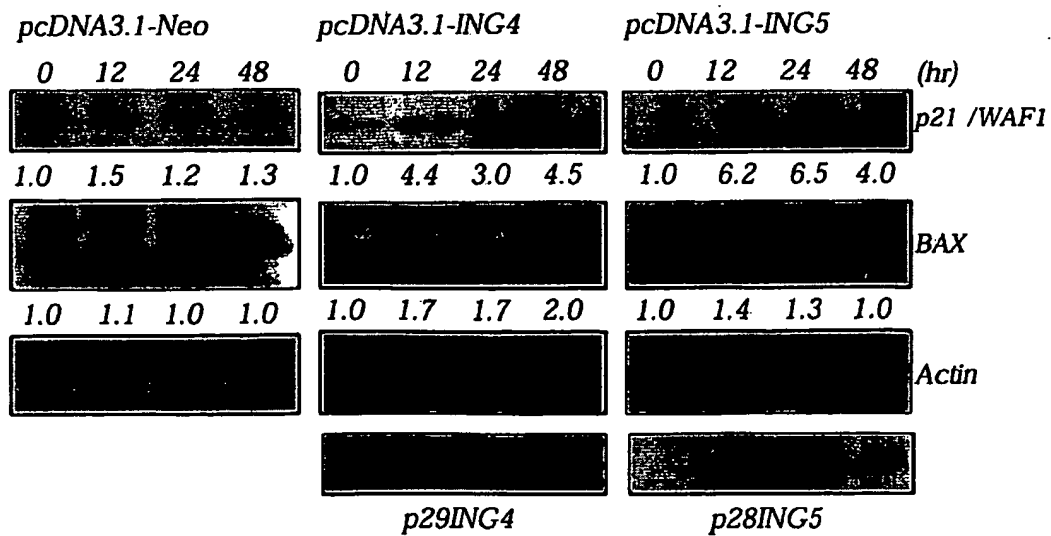
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FIG. 9

A



B



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A

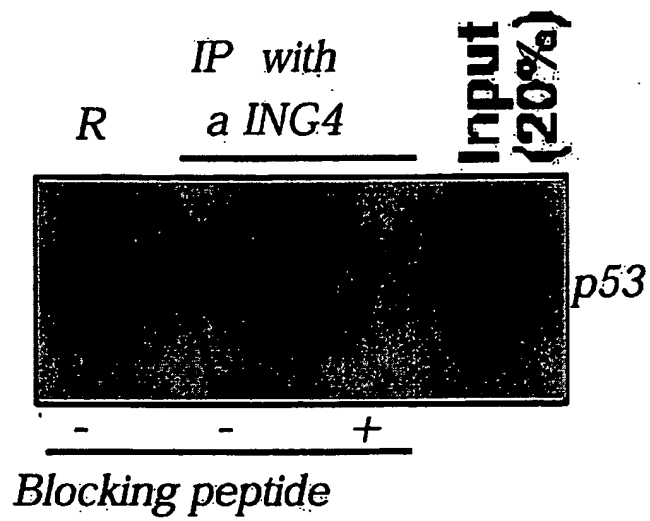
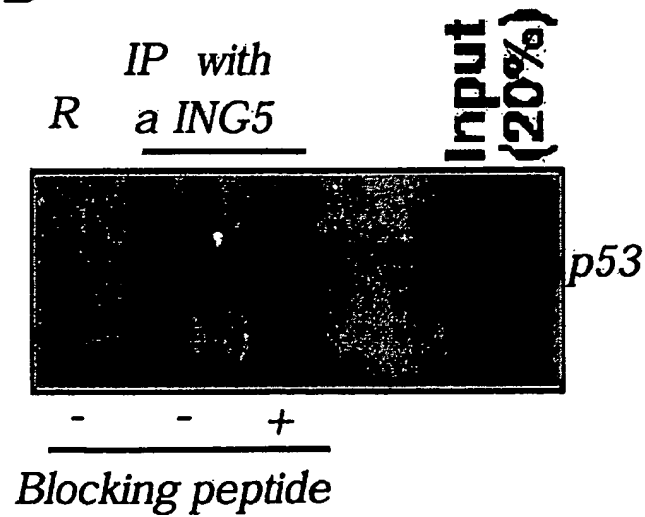


FIG. 10

B



C

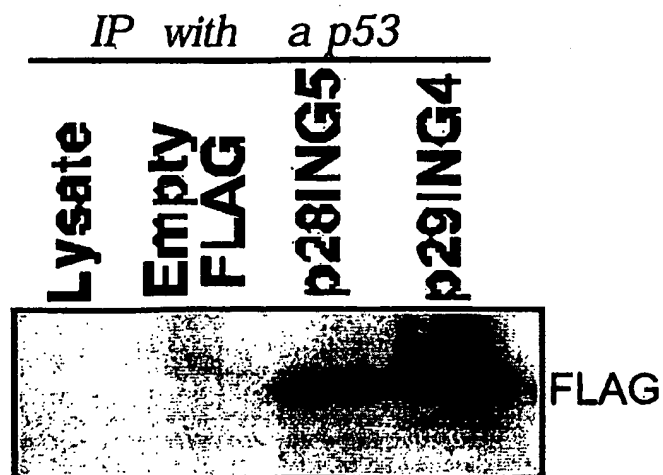
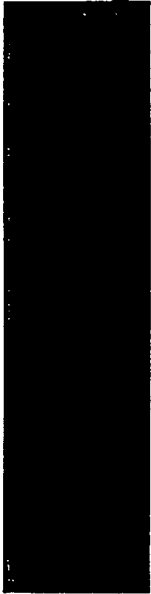


FIG. 11

A

FLAG-ING4

a b I



FLAG-ING5

a b I



B

Whole cell

lysate

IP : p300

a b c d e a b c d



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Figure 12

```

p33ING1b 1 -----MLSPANGEQLHLVN-VV-----S-----VS-----AKY-EIL
p33ING2 1 MLGQQQQQLYSSAALLTGERSRLLTQVQ-----ECV-----S-----VSVL-----NKY-ETL
p47ING3 1 -----ML-----EM-----Q-----M-----RDR-TE-----M-LQV-NAM
p29ING4 1 -----MAAGM-----H-----F-----Q-----D-----QRTEDLK
p28ING5 1 -----MATAM-----H-----F-----Q-----D-----QRTEDKK

p33ING1b 49 KRL-ECYERFS---RETGAL-RRM-HCVR-RLIRSOIL-EMI-IVSMVSL-ENRT-Q
p33ING2 61 KRL-DVYEKKK---EDDLN-KRLQQLL-RELINSOIL-EMI-IVTSMLEL-ENRA-Q
p47ING3 37 DQLEQRVSEFFMNA-KNKP EWREEQMASTKKDYALADA-----NFI-D-----LAK
p29ING4 40 A-----KLAT-SMSSARSLSEE-LAL-KQ-----EAG-CKF-----D-----M-TY-M-K-I-R
p28ING5 40 A-----ILAA-SISTV-TLSPD-ERVER-KQEN-NAS-CKEYS-D-----M-TY-M-K-I-R

p33ING1b 106 V-SHVEL-----QQLG-----
p33ING2 118 MELHSQQLQDPASS-----
p47ING3 97 -EQE-K-KME-ADNAGITEILERSLELDTPSQPVNNHHAHSHTPVEKRYNPTSHHT
p29ING4 100 -TD-M-R-EAD-K-K-----
p28ING5 100 -AD-M-R-EAD-K-K-----

p33ING1b 121 -----DTAGNSGKAGADRE-KGEAAAQAD
p33ING2 132 -----ERASDKAKMDS-Q-----ER-SSR
p47ING3 157 TTDHIPEKKFKSEALLSTLTS-DASKENTLGCRNNNSTASSNNAYNVN-QQLGSGYNIGSL
p29ING4 115 -----QIESSDYDSS-KGK-----
p28ING5 115 -----MEGSDFESSGGRGL-----

p33ING1b 144 KPNS-----KRSRQNNENRENASSNHDH-----
p33ING2 151 RP-----RRQ-TSESRLCHMANGI-----
p47ING3 217 SSGTGAGAITMAAAQAVQATAQME-EERTSSLKASYEAFKNNDQQLGKEFSMARETGVYS
p29ING4 130 -----KKE-TQKEKKAARARSKG-----
p28ING5 129 -----KKEGQKEKRGSRGRGR-----

p33ING1b 169 -----DDGASGT-----E-EA-----T-KKK-----
p33ING2 171 -----EDCDDQP-----E-EA-----SAKKK-----
p47ING3 277 SSSALMTTLTQNASSAADSRSGRS-SNNNKS-SQSSSSSSSSSSSLSSCSSSTTVQEIS
p29ING4 148 -----KNSDEEA-T-AQ-L-LV-RT-PEYG-----
p28ING5 146 -----RTSEEDT-----K-EH-----GGSEF-----

p33ING1b 188 -KRSKAKAEREA-PAL-I-----S-----S-----NHE
p33ING2 190 -KRSKAKQEREA-PVEFAI-----S-----S-----S-TYE
p47ING3 337 QQTTVVPESDSNQVWWTY-----I-----V-----Q-----W-TYG-----EA
p29ING4 173 MPSVTFGSVHPSDVL-MV-----P-----P-----A-----A-----T
p28ING5 165 --TDTILSVHPSDVL-MV-----P-----P-----A-----A-----T

p33ING1b 247 -----RG-NETMDKALEKSKKERAYNR
p33ING2 249 -----RGDNEETMDKSTETKKDRSR-
p47ING3 397 -----Q-TAAMKRRGSRHK-----
p29ING4 233 -R-----R-SQ-RKK-----
p28ING5 223 -----R-VQ-K-RKK-----

```

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